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Regulatory Framework for Spent Lead-Acid Batteries (SLABs) and SLAB Recycling in Canada

NA CEC Workshop on Spent Lead Acid Batteries & Electronics

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Overview

- Background
- International Obligations
 - Basel Convention
 - OECD Decisions
 - Canada-USA Agreement
- Federal and provincial authorities
- Export and Import of HW and HRM Regulations (EIHWHRMR)
- SLAB Regulatory framework
- Canadian Imports and Exports of SLABs (2001-2005)
- Imports and Exports of SLABs from and into Canada
- Statistical Information
- International Notification Process
- Required documentation for transboundary movements of HW and HRM, including SLABs; and
- Movement Document



Background

- **Hazardous Wastes (includes hazardous recyclables)**
- **What are they?**
 - Waste products, substances or organisms that are potentially hazardous to human health or the environment, destined for disposal or recycling operations
- **Who produces them? For example:**
 - chemical industry
 - manufacturing industry
 - metal refining industry
- **Why Special Regime Required?**
 - to eliminate or reduce the hazard through special disposal/treatment technologies, thereby preventing impacts on the environment and human health
 - to maximize the recovery of resources for productive use in Canada and abroad, and properly dispose of residues through special disposal/recycling techniques



International Obligations

- The United Nations Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal, 1989
- Organisation for Economic Co-operation and Development (OECD) Decisions
- Canada-USA Agreement



Basel Convention

- Canada signed in 1989 and ratified in 1992
- Covers both wastes and recyclables
- Controls on transboundary movement of hazardous waste (prior informed consent, tracking of shipments, reduction of exports, liability)
- Revised Lists to clarify wastes to be controlled
 - Annex VIII, A1160 entry for SLABs



OECD Decisions

- **Canada, USA and Mexico are members of OECD**
- **OECD Decision C(94)152/Final**
 - Transfrontier movements of hazardous wastes
 - Core list of wastes
 - International Waste Identification Code (IWIC)
- **OECD Decision C(2001)107/Final**
 - revised and harmonized with Basel
 - allows modified/simplified controls for recyclables within the OECD area



Canada-USA Agreement

- Meets Article 11 of the Basel Convention
- Came into effect in 1986 and amended in 1992 to include non-hazardous wastes destined for final disposal
- Definition for waste as defined under Canadian law
 - Example: SLABs are hazardous for both transboundary movements of HW and HRM



Federal and Provincial Authorities

Federal

- Jurisdiction over movements crossing a border
 - International border
 - Movements between provinces/territories within Canada

Provincial

- Jurisdiction over movement solely within their territory
 - Administering provincial Environmental Regulations
 - Licensing of authorized facilities, carriers



Export and Import of Hazardous Waste and Hazardous Recyclable Material Regulations (EIHWHRMR)

- **Revised on November 1, 2005**
- **Meet Canada's International Obligations**
- **Decoupled hazardous waste definition into hazardous waste (HW) and hazardous recyclable material (HRM)**
- **SLABs continue to be controlled**
- **Purpose**
 - Sets out conditions for shipments of HW and HRM across Canadian borders
- **Goals**
 - Prior Informed Consent
 - Confirmation of Disposal or Recycling
 - Liability Insurance
 - Export Reduction Plans
 - Environmentally Sound Management

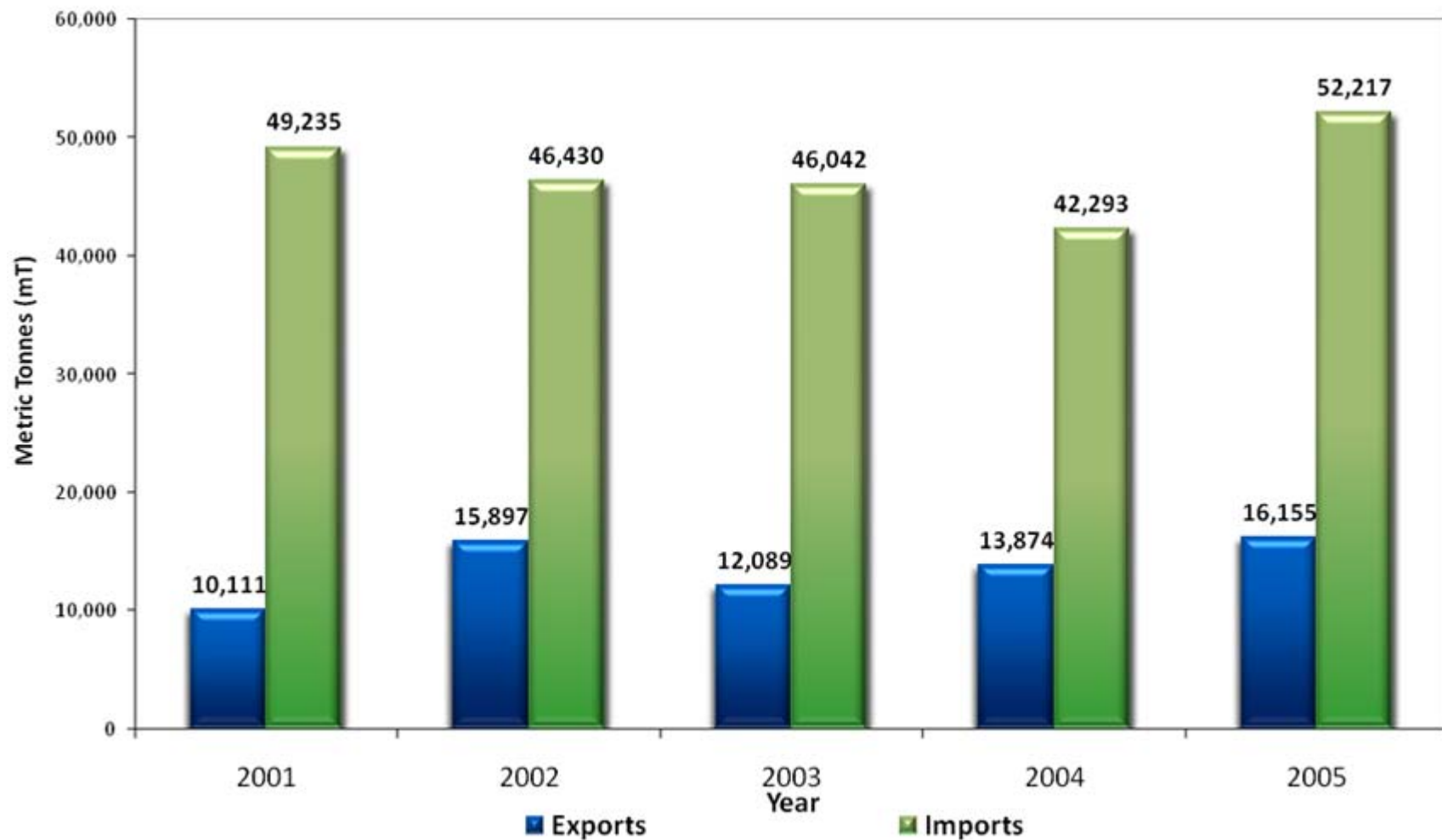


SLAB Regulatory framework

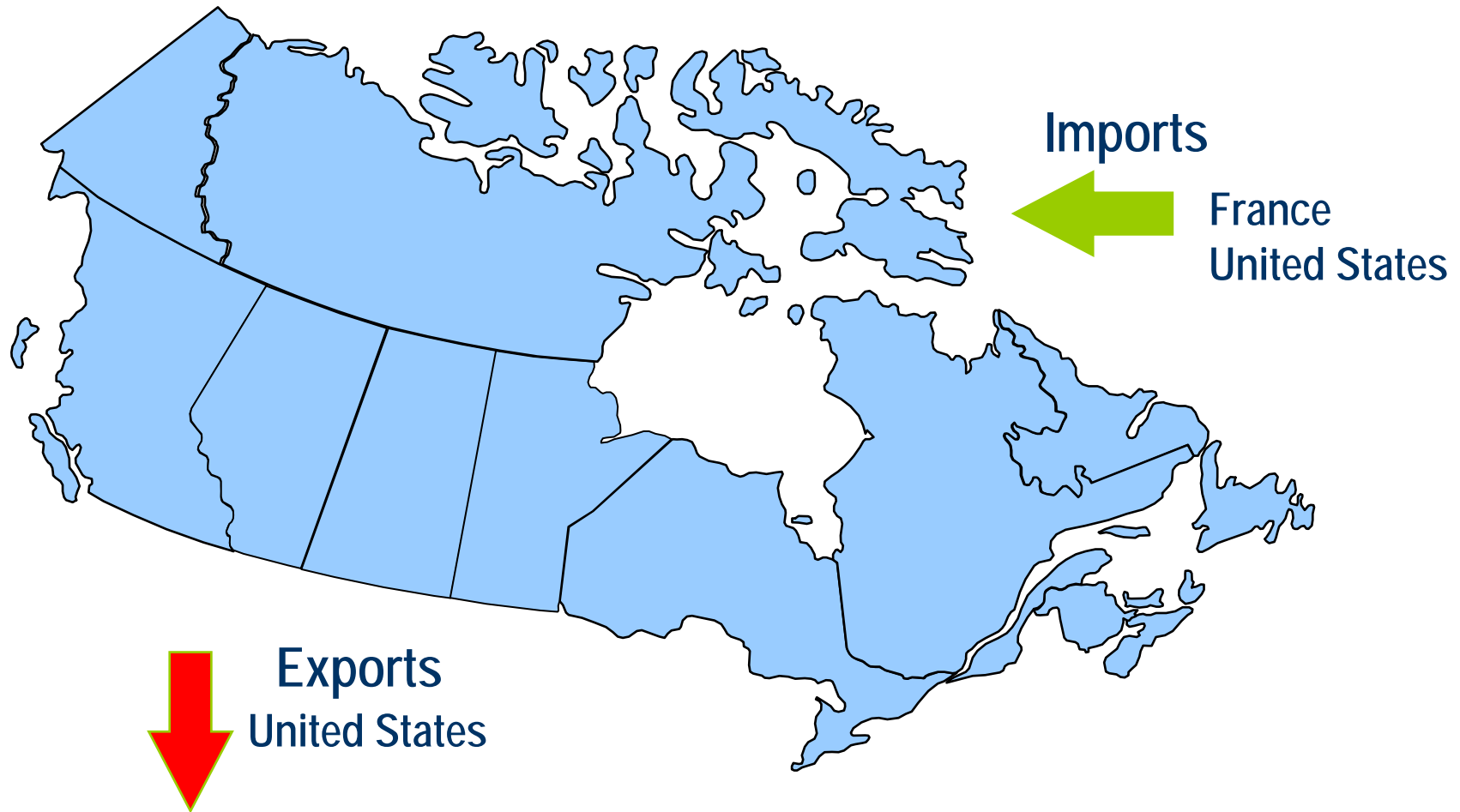
- Must be destined for disposal (Schedule 1 of the EIHWHRMR) or recycling (Schedule 2 of the EIHWHRMR)
- Must meet the HW or HRM definitions under Section 1 or 2 of the EIHWHRMR
- Captured under the *Transport of Dangerous Goods Regulations*
- Hazard Class 8, United Nations Product Identification Number (UN PIN) UN2794 –Batteries, wet, filled with acid, electric storage



Canadian Imports and Exports of SLABs (2001-2005)



Imports and Exports of SLABs from and into Canada (2001-2005)



Statistical Information

- All exports of SLABs to the United States were destined for recycling, namely metal recovery or interim storage prior to metal recovery
- Less than 0.2% of imports of SLABs were destined for disposal with over 99% destined for metal recovery
- More than 91% of SLABs originate from transport, automobile dealers and repair facilities



International Notification Process

- Notice Reference Number
- Contact information
- Shipment details
- Waste or material information
- Insurance details

In addition:

- Copies of signed written contracts

Finally:

- Notice + Contracts = Application for permit

NOTICE - NOTIFICATION

Notice Reference No. : N° de référence du document

Administrative form for proposed movements of hazardous waste or hazardous recyclable materials
Formulaire administratif en vue des mouvements de déchets dangereux et matières recyclables dangereuses

1 OFFICE Indique le office qui applique la notification: l'office qui applique la notification <input type="checkbox"/> Dispatch <input type="checkbox"/> Recycling <input type="checkbox"/> Recycling/Approved Facility <input type="checkbox"/> Dispatch <input type="checkbox"/> Recycling <input type="checkbox"/> Recycling/Approved Facility Personne qui applique la notification		3 RECEIVING AGENCY DESTROYER RECEIVING AGENCY DESTROYER DESTROYER DESTROYER DESTROYER DESTROYER	
2 EXPORTER OF FOREIGN COUNTRY EXPORTATEUR OU EXPORTATEUR ÉTRANGER		4 CARRIER TRANSPORTEUR	
Registration Number: N° d'identification: Name: Address: Shipping Site Address: Adresse du site de destination		Registration Number: N° d'identification: Name: Address: Receiving Site Address: Adresse du site de destination	
Tel. No. N° de tél.: Fax No. N° de tél.: E-mail address: Adresse électronique: Contact person: Personne responsable: Name of Insurance Company: Nom de l'assureur: Policy No. N° Police		Tel. No. N° de tél.: Fax No. N° de tél.: E-mail address: Adresse électronique: Contact person: Personne responsable: Name of Insurance Company: Nom de l'assureur: Policy No. N° Police	
5 AUTHORIZED FACILITY (IF OPERATION D13, D14, D17, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100, R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R111, R112, R113, R114, R115, R116, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152, R153, R154, R155, R156, R157, R158, R159, R160, R161, R162, R163, R164, R165, R166, R167, R168, R169, R170, R171, R172, R173, R174, R175, R176, R177, R178, R179, R180, R181, R182, R183, R184, R185, R186, R187, R188, R189, R190, R191, R192, R193, R194, R195, R196, R197, R198, R199, R200, R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R212, R213, R214, R215, R216, R217, R218, R219, R220, R221, R222, R223, R224, R225, R226, R227, R228, R229, R230, R231, R232, R233, R234, R235, R236, R237, R238, R239, R240, R241, R242, R243, R244, R245, R246, R247, R248, R249, R250, R251, R252, R253, R254, R255, R256, R257, R258, R259, R260, R261, R262, R263, R264, R265, R266, R267, R268, R269, R270, R271, R272, R273, R274, R275, R276, R277, R278, R279, R280, R281, R282, R283, R284, R285, R286, R287, R288, R289, R290, R291, R292, R293, R294, R295, R296, R297, R298, R299, R300, R301, R302, R303, R304, R305, R306, R307, R308, R309, R310, R311, R312, R313, R314, R315, R316, R317, R318, R319, R320, R321, R322, R323, R324, R325, R326, R327, R328, R329, R330, R331, R332, R333, R334, R335, R336, R337, R338, R339, R340, R341, R342, R343, R344, R345, R346, R347, R348, R349, R350, R351, R352, R353, R354, R355, R356, R357, R358, R359, R360, R361, R362, R363, R364, R365, R366, R367, R368, R369, R370, R371, R372, R373, R374, R375, R376, R377, R378, R379, R380, R381, R382, R383, R384, R385, R386, R387, R388, R389, R390, R391, R392, R393, R394, R395, R396, R397, R398, R399, R400, R401, R402, R403, R404, R405, R406, R407, R408, R409, R410, R411, R412, R413, R414, R415, R416, R417, R418, R419, R420, R421, R422, R423, R424, R425, R426, R427, R428, R429, R430, R431, R432, R433, R434, R435, R436, R437, R438, R439, R440, R441, R442, R443, R444, R445, R446, R447, R448, R449, R450, R451, R452, R453, R454, R455, R456, R457, R458, R459, R460, R461, R462, R463, R464, R465, R466, R467, R468, R469, R470, R471, R472, R473, R474, R475, R476, R477, R478, R479, R480, R481, R482, R483, R484, R485, R486, R487, R488, R489, R490, R491, R492, R493, R494, R495, R496, R497, R498, R499, R500, R501, R502, R503, R504, R505, R506, R507, R508, R509, R510, R511, R512, R513, R514, R515, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R527, R528, R529, R530, R531, R532, R533, R534, R535, R536, R537, R538, R539, R540, R541, R542, R543, R544, R545, R546, R547, R548, R549, R550, R551, R552, R553, R554, R555, R556, R557, R558, R559, R560, R561, R562, R563, R564, R565, R566, R567, R568, R569, R570, R571, R572, R573, R574, R575, R576, R577, R578, R579, R580, R581, R582, R583, R584, R585, R586, R587, R588, R589, R590, R591, R592, R593, R594, R595, R596, R597, R598, R599, R600, R601, R602, R603, R604, R605, R606, R607, R608, R609, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626, R627, R628, R629, R630, R631, R632, R633, R634, R635, R636, R637, R638, R639, R640, R641, R642, R643, R644, R645, R646, R647, R648, R649, R650, R651, R652, R653, R654, R655, R656, R657, R658, R659, R660, R661, R662, R663, R664, R665, R666, R667, R668, R669, R670, R671, R672, R673, R674, R675, R676, R677, R678, R679, R680, R681, R682, R683, R684, R685, R686, R687, R688, R689, R690, R691, R692,			



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Movement Document

MOVEMENT DOCUMENT DOCUMENT DE MOUVEMENT

Movement Document Reference No.
N° de référence du document de mouvement

000000-1

A Exporter / foreign exporter Exportateur / expéditeur étranger Company name / Nom de l'entreprise <u>Battery Recyclers America Inc</u> Mailing address / Adresse postale <u>200 Poplar Rd Jersey City NJ, USA 07300</u> E-mail / Courriel électronique <u>michael@batteryrecyclers.com</u> Shipping site address / Adresse du lieu de l'expédition <u>Same as above</u>		Registration No. / Provincial ID No. N° d'immatriculation - d'Id. provincial <u>NJ123456</u>		B Carrier Transporteur Company name / Nom de l'entreprise <u>Tom's Trucking Services</u> Mailing address / Adresse postale <u>13 Car. Rd Sarnia Ontario N2H 5T2</u> E-mail / Courriel électronique <u>(519) 333-3333</u> Vehicle / Véhicule Trailer - Rail car No. 1 <u>AB1234</u> Trailer - Rail car No. 2 <u>Prox. ON</u>		Registration No. / Provincial ID No. N° d'immatriculation - d'Id. provincial <u>98765432</u>		Reference No(s) of other movement document(s) used N° de référence des autres documents de mouvement utilisés																	
Importer / foreign receiver Importateur / destinataire étranger Company name / Nom de l'entreprise <u>Battery Recyclers Canada Inc.</u> Mailing address / Adresse postale <u>15 Recycling Rd Toronto Ontario M1A 0H3</u> E-mail / Courriel électronique <u>lois@batteryrecyclers.ca</u> Receiving site address / Adresse du lieu de destination <u>Same as above</u>		Registration No. / Provincial ID No. N° d'immatriculation - d'Id. provincial <u>ON012345</u>		C Importer / foreign receiver Importateur / destinataire étranger Registration No. / Provincial ID No. N° d'immatriculation - d'Id. provincial <u>ON012345</u> Importer / foreign receiver information same as in Part A Les renseignements sur l'importateur / le destinataire étranger sont les mêmes qu'à la partie A <input checked="" type="checkbox"/> Yes / Oui <input type="checkbox"/> No, complete the box below / Non, remplir la case ci-dessous Company name / Nom de l'entreprise Mailing address / Adresse postale City / Ville Province Postal code / Code postal E-mail / Courriel électronique Receiving site address / Adresse du lieu de destination		Date received / Date de réception Year / Année Month / Mois Day / Jour Time / Heure <u>05 / 12 / 02 09:00</u> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM If waste or recyclable material is to be transferred, specify intended company name / Si les déchets ou matériaux recyclables doivent être transférés, précisez le nom du destinataire Registration No. / Provincial ID No. N° d'immatriculation - d'Id. provincial																			
Prov. code Code prov.		Shipping name Appellation réglementaire <u>Waste Batteries, wet, filled with acid</u>		Class / Classe Sub. Class(es) Classe(s) sub.		UN No. N° UN <u>W2794</u>		Packing / Pak. gr. Qté d'emballage de reque <u>111</u>		Units Ltr / ou kg Unités <u>1,000 kg</u>		Packaging/Content Codes int.-ext. <u>1 01</u>		LSPG Code Code LSPG <u>538</u>		Quantity received Quantité reçue <u>1,000</u>		Units Ltr / ou kg Unités <u>kg</u>		Comments Commentaires <u>ok</u>		Handling Code de manipulation <u>07</u>		Shipment / Envoi Accepted / Refused Sub. Pack. / Veh. / Vite. <input checked="" type="checkbox"/> <input type="checkbox"/>	
Notice No. N° de notification <u>123457</u>		Notice Line No. N° de ligne de la notification <u>1</u>		Shipment Envoi <u>1</u>		Or / De Code d'au R <u>20</u>		D or R code Code D ou R <u>R13</u>		C code Code C <u>C18</u>		Based Annex VII or OECD Code Annexe VII de l'OCDE ou Code OCDE <u>A1160</u>		H code Code H <u>H8</u>		Y code Code Y <u>Y31</u>		National code in country of / Code du pays Exportation <u>N/A</u>		Import Importation <u>N/A</u>		Customs code(s) Code(s) de douanes <u>8548.10.90.10</u>			
Exporter / foreign exporter certification: I certify that the information contained in Part A is correct and complete. Attestation de l'exportateur / expéditeur étranger: J'atteste que tous les renseignements à la partie A sont exacts et complets.		Name of authorized person (print) Nom de l'agent autorisé (saisissez d'imprimerie) <u>Michael Roycher</u>		Signature <u>Michael Roycher</u>		Tel. No. / N° de tél. <u>(201) 555-5555</u>		Date shipped / Date d'expédition Year / Année Month / Mois Day / Jour <u>05 / 12 / 01</u>		Time / Heure <u>11:20</u>		Scheduled arrival date / Date d'arrivée prévue Year / Année Month / Mois Day / Jour <u>05 / 12 / 02</u>													



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Final comments / Questions

For any additional information:

- E-mail: TMB@ec.gc.ca
- Telephone: 819-997-3377
- Facsimile: 819-997-3068

Or you can visit our website:

- **Waste Reduction and Management Division Website:**
 - <http://www.ec.gc.ca/wmd-dgd/>



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